

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ELASTO SEAL
IDENTIFICATION NUMBER: ES

DATE PRINTED: 04/13/00
PRODUCT USE/CLASS: Coating
MANUFACTURER: ORQ Products Inc.
1895 16th St. SE
Salem, OR 97302-1436

EMERGENCY TELEPHONE: CHEMTREC
(800) 424-9300
24 HRS A DAY
7 DAYS A WEEK

PREPARER: Product Services PHONE: 800-345-0809 PREPARE DATE: 04/13/00

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

ITEM	- - CHEMICAL NAME - -	CAS NUMBER	WT/WT %LESS THAN
01	Silica, quartz	14808-60-7	1.0 %
02	Calcium carbonate	471-34-1	15.0 %

ITEM	ACGIH		- EXPOSURE LIMITS -		COMPANY	SKIN
	TLV-TWA	TLV-STEL	OSHA PEL-TWA	PEL-CEILING		
01	.1 mg / m ³	N.E.	.1 mg / m ³	N.E.	N.E.	NO
02	10 mg / m ³	N.E.	15 mg / m ³	N.E.	N.E.	NO

(See Section 16 for abbreviation legend)

SECTION 3 - HAZARDOUS IDENTIFICATION**EFFECTS OF OVEREXPOSURE**

EYE CONTACT: May cause slight irritation.
SKIN CONTACT: May cause irritation.
INHALATION: May cause respiratory tract irritation.
INGESTION: Irritating to mouth, throat and stomach.
CHRONIC HAZARDS: This product contains silicon dioxide [quartz] which has been listed as a suspected human carcinogen by NTP and IARC. No exposure to silicon dioxide [quartz] is anticipated during normal use of this product.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT, INHALATION, INGESTION, EYE CONTACT

SECTION 4 - FIRST AID MEASURES**FIRST AID**

EYE CONTACT: Flush eye with water for 15 minutes. Get medical attention.
SKIN CONTACT: Remove contaminated clothing and shoes. Wash affected area(s) thoroughly with soap and water. If irritation persists, seek medical attention.
INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
INGESTION: If swallowed, DO NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into lungs.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT:	N.A.
LOWER EXPLOSIVE LIMIT:	N.A.
UPPER EXPLOSIVE LIMIT:	N.A.
AUTOIGNITION TEMPERATURE:	N.A.
EXTINGUISHING MEDIA:	ALCOHOL FOAM CO2 DRY CHEMICAL WATER FOG
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None known.
SPECIAL FIREFIGHTING PROCEDURES:	Containers exposed to fire should be kept cool with water spray. Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

SECTION 6 – ACCIDENTAL RELEASE MEASURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Ventilate the area. Evacuate unnecessary personnel. Large spills should be handled carefully. Put on respiratory protection and necessary personal protective equipment. Dike or impound spilled liquid. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Repeat sorbent/sweep cycle until the spill has dried up. Avoid runoff into storm sewers and ditches which lead to waterways.

SECTION 7 – HANDLING AND STORAGE

HANDLING:	Use only in a well ventilated area. Keep out of reach of children. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
STORAGE:	Keep container closed when not in use.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:	Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.
RESPIRATORY PROTECTION:	Wear NIOSH/MSHA approved respiratory protection when the product is mixed or applied in a poorly ventilated area or if workplace levels of ingredients exceed the TLV. Follow applicable federal, state, and local regulations.
OTHER PROTECTIVE EQUIPMENT:	Where contact is likely, wear chemical resistant gloves, chemical safety goggles with a face shield, and clean protective clothing to cover arms and legs to keep exposure to a minimum.
HYGIENIC PRACTICES:	Do not take internally. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid breathing vapors from heated material.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE:	212°F	VAPOR DENSITY:	Is heavier than air
ODOR:	Slight Ammonia	ODOR THRESHOLD:	N.D.
APPEARANCE:	Thick Black Liquid	EVAPORATION RATE:	Is slower than Butyl Acetate
SOLUBILITY IN H2O	Dilutable	SPECIFIC GRAVITY:	1.1500
pH @ 0.0 %:	N.D.	FREEZE POINT:	N.D.
VISCOSITY:	N.D.	VAPOR PRESSURE:	1.75 mm Hg
PHYSICAL STATE:	Liquid	COEFFICIENT OF WATER/OIL DISTRIBUTION:	N.D.

(See Section 16 for abbreviation legend)

SECTION 10 – STABILITY AND REACTIVITY

CONDITIONS TO AVOID:	Long term exposure to elevated temperatures.
INCOMPATIBILITY:	Avoid contact with oxidizing material.
HAZARDOUS DECOMPOSITION PRODUCTS:	Acid fumes. Oxides of carbon.
HAZARDOUS POLYMERIZATION:	Will not occur under normal conditions.
STABILITY:	This product is stable under normal storage conditions.

SECTION 11 – TOXICOLOGICAL PROPERTIES

PRODUCT DERMAL LD50:	No Information
PRODUCT LC50:	No Information
PRODUCT ORAL LD50:	No Information

COMPONENT TOXICOLOGICAL INFORMATION:

-- CHEMICAL NAME --	DERMAL LD50	ORAL LD50	LC50
Silica, quartz	No Information	No Information	No Information
Calcium carbonate	No Information	6450 mg/kg	No Information

SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Review all local, state, and federal regulations concerning health and pollution for appropriate disposal procedures.

SECTION 14 – TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME:	Regulated.
DOT TECHNICAL NAME:	N.A.
DOT HAZARD CLASS:	N.A.
HAZARD SUBCLASS:	N.A.
DOT UN/NA NUMBER:	N.A.
PACKING GROUP:	N.A.
RESP. GUIDE PAGE:	
DOT PLACARD AT:	N.A.
DOT CLASS NUMBER:	N.A.
UN PROPER SHIPPING NAME:	N.A.
UN CLASS NUMBER:	N.A. AIR: N.A. MARINE: N.A.
HAZARD SUBCLASS:	N.A. AIR: N.A. MARINE: N.A.
UN UN/NA NUMBER:	N.A. UN PACKING GROUP: N.A. AIR: N.A. MARINE: N.A.
UN PLACARD AT:	N.A.

SECTION 15 – REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY: This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:
None.

SARA SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

-- CHEMICAL NAME --	CAS NUMBER	WT/WT % IS LESS THAN
No SARA Section 313 components exist in this product.		

TOXIC SUBSTANCES CONTROL ACT: This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

• • CHEMICAL NAME • •

Silica, quartz
inorganic lead
Cadmium

CAS NUMBER

14808-60-7
7439-92-1
7440-43-9

INTERNATIONAL REGULATIONS: AS FOLLOWS –

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

SECTION 16 – OTHER INFORMATION

HMIS RATINGS: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0 PERSONAL PROTECTION: E

PREVIOUS MSDS REVISION DATE: 08/14/96

REASON FOR REVISION: New format.

VOLATILE ORGANIC COMPOUNDS (VOCs): 0.50 lbs/gal, 60 grams/ltr

LEGEND: N.A. – Not Applicable, N.E. – Not Established, N.D. Not Determined

ABBREVIATIONS USED: N/A (Information or data Not Available); NTP (National Toxicology Program); IARC (International Agency for Research on Cancer); NIOSH (National Institute of Occupational Safety and Health Administration); PEL (Permissible Exposure Limit) [8 hr. TWA] [OSHA]; TLV (Threshold Limit Value)[8 hr. TWA] [ACGIH]; STEL (ShortTerm Exposure Limit)[15 min. TWA] [OSHA]; C (Ceiling Value).

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